



## SAFETY DATA SHEET

### Shell Diala G

1. Identification of Substance/Preparation and Company.....	2
2. Composition/Information on Ingredients.....	2
3. Hazards Identification.....	2
4. First Aid Measures.....	2
5. Fire Fighting Measures.....	3
6. Accidental Release Measures.....	3
7. Handling and Storage.....	3
8. Exposure Controls/Personal Protection.....	4
9. Physical and Chemical Properties.....	4
10. Stability/Reactivity.....	5
11. Toxicological Information.....	5
12. Ecological information.....	6
13. Disposal Considerations.....	6
14. Transport Information.....	6
15. Regulatory Information.....	6
16. Other Information.....	7



## 1. Identification of Substance/Preparation and Company

Product name:

Shell Diala G

Shell Diala G

+ Use of the substance/preparation

+ Insulating oil

Supplier:

Shell & DEA Oil GmbH

Address:

Suhrenkamp 71-77  
22335 Hamburg

Contact numbers:

HSE informations: (040) 6324-6255

Emergency telephone number:

(040) 6324-5110

## 2. Composition/Information on Ingredients

Substance chemical family:

Dangerous components:

On the basis of available information, the components of this preparation are not expected to impart hazardous properties to this product.

## 3. Hazards Identification

Human Health Hazards:

If swallowed, aspiration into the lungs may cause chemical pneumonitis

Prolonged or repeated exposure may give rise to dermatitis.

No specific hazards under normal use conditions

Safety hazards:

Contains mineral oil for which an exposure limit for oil mist applies.

Environmental hazards:

Avoid spillage.

Not readily biodegradable.

## 4. First Aid Measures

Other information:

First aid - inhalation

Remove to fresh air.

If breathing but unconscious, place in the recovery position.

If breathing has stopped, apply artificial respiration.

OBTAIN MEDICAL ATTENTION IMMEDIATELY



#### First aid - skin:

Remove contaminated clothing and wash affected skin with soap and water.  
If high pressure injection injuries occur, obtain medical attention immediately.

#### First aid - eye:

Rinse immediately with plenty of water for at least 10 minutes and seek medical advice.

#### First aid - ingestion:

Do not induce vomiting  
Aspiration into the lungs may occur directly or following ingestion. This can cause chemical pneumonitis which may be fatal.  
If breathing but unconscious, place in the recovery position.  
If breathing has stopped, apply artificial respiration.  
OBTAIN MEDICAL ATTENTION IMMEDIATELY

#### Advice to physicians:

Treat symptomatically

### 5. Fire Fighting Measures

#### Extinguishing media:

Foam, Dry chemical powder, carbon dioxide, sand or earth.

#### Unsuitable extinguishing media:

Do not use water in a jet

#### Specific hazards:

Combustion is likely to give rise to a complex mixture of gases and airborne particulates, including carbon monoxide, oxides of sulphur, and unidentified organic and inorganic compounds.

### 6. Accidental Release Measures

#### Personal precautions:

Ventilate contaminated area thoroughly  
Minimise contact with skin.

#### Environmental precautions:

Prevent further leakage or spillage and prevent from entering drains  
Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers.

#### Clean-up methods:

Absorb or contain liquid with sand, earth or spill control material  
Shovel into a suitable, clearly marked container for disposal or reclamation in accordance with local regulations.

#### Other information:

### 7. Handling and Storage

#### Handling:

When using do not eat or drink.  
When handling product in drums, safety footwear should be worn



and proper handling equipment should be used.  
Prevent spillages.

#### Storage:

Keep container tightly closed and in a well-ventilated place  
Avoid direct sunlight, heat sources, and strong oxidising agents.

#### Recommended materials:

mild steel  
high density polyethylene  
for containers or container linings.

### 8. Exposure Controls/Personal Protection

#### Engineering control measures:

Use only in well ventilated areas

#### Occupational exposure standards:

Component name	Limit type	Value/Unit	Other Information
Oil mist	8-h TWA	5 mg/m3	ACGIH
15-min STEL	10 mg/m3	ACGIH	

#### Other information:

##### Respiratory protection:

Not normally required.

If oil mist cannot be controlled, a respirator fitted with an organic vapour cartridge combined with a particulate pre-filter should be used.

##### Hand protection:

- \* PVC or nitril rubber gloves if splashes are likely to occur and if applicable.

##### Eye-Protection:

Safety spectacles

##### Body Protection:

Minimise all forms of skin contact.

##### Hygiene measures:

Don't keep oily rags in your pockets.  
Wash hands before eating and drinking.

### 9. Physical and Chemical Properties

#### Physical state:

Form....: Liquid

Colour...: yellow

#### Safety relevant data:

##### Change of physical state:

Pourpoint <-60°C  
(DIN ISO 3016)

Flashpoint: 145 °C



( DIN 51 758)

Flammability limit-lower (vol.%):	0,6
Flammability limit-upper (vol.%):	6,5
Vapour pressure:( 20 °C): <	0.01 hPa
Density( 15°C): (DIN 51 757 D	879 kg/m3
Solubility in water ( 20°C):	Negligible
n-octanol/water partition coefficient:	Not applicable
Kin.Viscosity ( 40°C): (DIN 51 562, T.1	8.5 mm2/s

## 10. Stability/Reactivity

### Stability:

Stable under normal use conditions

### Materials to avoid:

Strong oxidising agents

### Hazardous decomposition products:

Hazardous decomposition products are not expected to form during normal storage.

### Other information:

## 11. Toxicological Information

### Toxicological Data:

Acute toxicity - oral:  
LD 50 expected to be > 2000 mg/kg.

Specific symptomatic results:  
Not available

Skin irritation:  
Eye irritation:  
Expected to be slightly irritant

Skin sensitisation:  
Not expected to be a skin sensitiser

Prolonged and/or repeated contact:  
Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis and may make the skin more susceptible to irritation and penetration by other materials.

Carcinogenicity:  
Product is based on mineral oils of types shown to be non-carcinogenic in animal skin-painting studies.  
Other components are not known to be associated with carcinogenic effects.

### Human effects:



#### Other information:

Aspiration into the lungs may occur directly or following ingestion. This can cause chemical pneumonitis which may be fatal.

Information given is based on a knowledge of the toxicology of similar products.

## 12. Ecological information

#### Persistence/degradability:

Information given is based on data on the components and the ecotoxicology of similar products.

Not readily biodegradable.

#### Mobility:

Floats on water.

Liquid under most environmental conditions.

If it enters soil, it will adsorb to soil particles and will not be mobile.

Product has the potential to bioaccumulate.

#### Ecotoxicity:

Product is expected to be practically non-toxic to aquatic organisms, LC/EC50 >100mg/L.

#### Other Information:

## 13. Disposal Considerations

#### Product:

##### Precautions:

Dispose to licensed disposal contractor

##### European waste code:

13 03 07

#### Container disposal:

Drain container thoroughly

Dispose to licensed disposal contractor

##### Recommended cleaning procedure:

Cleaning by disposal contractor

## 14. Transport Information

Not dangerous for conveyance under UN, IMO, ADR/RID and IATA/ICAO codes.

## 15. Regulatory Information

#### EC Classification:

Not classified as dangerous under EC criteria

#### National Regulations:

- + Contant of VOC regarding EU directive (1999/13/EC) and Swiss regulation:



none

## 16. Other Information

- + Recommended restrictions on use:  
None at conventional use.

### Additional informations:

Concawe Report 5/87 Health Aspects of Lubricants.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.